IN THE CLAIMS

1. (currently amended) A computerized method of configuring processors in a target system, comprising:

prompting a user to select workload units to use in the configuration of the processor in the target system;

prompting the user to input a quantity of processing power required in terms of partition workload capacity required;

obtaining a system work capacity for the target system in the appropriate units from a look-up table;

calculating the number of partition processors;

wherein the number of partition processors equals the total number of system processors, times the partition workload capacity divided by the system work capacity;

testing the calculated number of partition processors to see if it is within a predetermined percentage of the next full processor increment;

if within the predetermined percentage, then recommending using dedicated processors, otherwise recommending using shared processors;

displaying the calculated number of partition processors and the recommended use of dedicated or shared processors to the user for validation or changing of the values; and

after validation, ~~configuring the target system processors according to the settings determined by the routine~~configuring the processors according to the calculated number of partition processors and the recommended use, based on the quantity of processing power required in terms of the partition workload capacity required.

2. (currently amended) The method according to claim 1, wherein the workload units to use in the configuration of the processor in the target system are in commercial processing workload (CPW) units, transaction processing performance council (TPC-C) units~~, or any well-defined workload measurement units~~.

3. (original) The method according to claim 1, wherein the number of partition processors calculated has a resolution of at least two digits to the right of the decimal.

4. (original) The method according to claim 1, wherein the predetermined percentage of the next full processor increment is twenty-five percent.

5. (original) A processing system running multiple operating system images (same or different) having logical partitions and implementing the method according to claim 1.

6. (original) A computer program product, comprising:

a recording medium; and

instruction means, disposed on the recording medium, for causing a computer to implement the method of configuring processors in a target system according to claim 1.

7. (original) A computer system having processing means, storage means, input means, and display means, and operating a graphical user interface utilizing the method according to claim 1.

8. (currently amended) A graphical user interface comprising:

means for prompting a user to select workload units to use in configuration of processors in a target system;

means for prompting the user to input a quantity of processing power required in terms of partition workload capacity required;

means for obtaining a system work capacity for the target system in the appropriate units from a look-up table;

means for calculating the number of partition processors;

wherein the number of partition processors equals the total number of system processors, times the partition workload capacity divided by the system work capacity;

means for testing the calculated number of partition processors to see if it is within a predetermined percentage of the next full processor increment;

means for recommending using dedicated processors if within the predetermined percentage, and otherwise recommending using shared processors;

means for displaying the calculated number of partition processors and the recommended use of dedicated or shared processors to the user for validation or changing of the values; and

means for ~~configuring the target system processors according to the settings determined by the above means after validation~~configuring the processors according to the calculated number of partition processors and the recommended use, based on the quantity of processing power required in terms of the partition workload capacity required.

9. (currently amended) The graphical user interface according to claim 8, wherein the workload units to use in the configuration of the processor in the target system are in commercial processing workload (CPW) units, transaction processing performance council (TPC-C) units~~, or any well-defined workload measurement units~~.

10. (original) The graphical user interface according to claim 8, wherein the number of partition processors calculated has a resolution of two digits to the right of the decimal.

11. (original) The graphical user interface according to claim 8, wherein the predetermined percentage of the next full processor increment is twenty-five percent.

12. (original) A processing system running multiple operating system images (same or different) having logical partitions and implementing the a graphical user interface according to claim 8.

13. (original) A computer program product, comprising:

a recording medium; and

instruction means, disposed on the recording medium, for causing a computer to implement the graphical user interface according to claim 8.

14. (currently amended) A computer system comprising:

partition processing means for running multiple operating system images;

storage means for storing a program and data;

an input device for inputting data; and

display means for displaying a graphical user interface ~~graphical representations~~ to a user;

wherein the program implements the graphical user interface for configuring processors, wherein the program when executed on one of the processors comprises.

prompting the user to select workload units to use in the configuration of the processors;

prompting the user to input a quantity of processing power required in terms of partition workload capacity required;

obtaining a system work capacity for the computer system in the appropriate units from a look-up table;

calculating a number of partition processors, wherein the number of partition processors equals a total number of the processors multiplied by a partition workload capacity and divided by a system work capacity;

testing the calculated number of partition processors to determine if it is within a predetermined percentage of a next full processor increment;

if within the predetermined percentage, then recommending using dedicated processors, otherwise recommending using shared processors;

displaying the calculated number of partition processors and the recommended use of dedicated or shared processors to the user for validation or change; and

after validation, configuring the processors according to the calculated number of partition processors and the recommended use, based on the quantity of processing power required in terms of the partition workload capacity required.